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10/674,127	09/29/2003	Lyle E. Devore JR.	10919/26405	4275

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ART UNIT	PAPER NUMBER
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DATE MAILED: 08/24/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Office Action Summary	Application No.	Applicant(s)
		10/674,127	DEVORE ET AL.
		Examiner	Art Unit
		Chris Watt	2179

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>29 September 2003</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-47</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-47</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>29 September 2003</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date <u>4/15/2004</u>.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35

U.S.C. 102 that form the basis for the rejections under this section made in this

Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1.   Claims 1-47 are rejected under 35 U.S.C. 102(b) as being anticipated by

Polizzi et al. (U.S. Patent Publication 2002/0052954).

As to claim 1, Polizzi discloses (Figs. 1-3, 10) a computer-based system

(i.e. "the computer system may also be referred to as a portal system" [0004]) for

presenting an information display screen (i.e. Fig. 10, "presents data to a user in

an object called a portal page" [0004]), comprising means for accessing a

plurality of information sources (i.e. "variety of content retrieved from a variety of

different computer systems", "one or more back end databases" [0004], [0020],

"more than one information source may be configured in the portal" [0047]),

means for generating a display screen template (i.e. "presents data to a user in

an object called a portal page" [0004]), said display screen template including at

least one control (i.e. "portal object may contain a set of links corresponding to ...

jobs" [0006], "hypertext links to navigate through the portal system" [0020]), each

said at least one control having at least one function associated therewith (i.e.

"clicking on that job will cause the job to be executed" [0006], "provide

instructions to the portal system" [0020]), said display screen template including

at least one status indicator (i.e. "reflect an up-to-the-minute status of the

corresponding aspect" [0025], "dynamically updated portal page which displays

the status" [0028]), means for storing a display screen function database

associated with said display screen template (i.e. "contain a set of links

corresponding to ... jobs, or other objects stored within the repository" [0006], "a

job is stored in the repository of the portal system" [0025]), said display screen

function database containing at least one record of a function associated with a

control on said display screen template (i.e. "if the link is directed to a job stored

within the portal system, then clicking on that job will cause the job to be

executed" [0006], "a user can select content to be displayed in the display

window by selecting an appropriate link" [0030]), said display screen function

database containing at least one record of a status indicator threshold (i.e. test

for exceptions present when querying properties in database [0066], data

retrieved from back-end database to see if notifications or exception conditions

are present [0094]), means for selectively activating said status indicator (i.e. "a

user may configure his portal page to provide a dynamically updated portal page

which displays the status of an exception condition" [0028]) based on information

located in at least one of said information sources (i.e. test for exceptions present

when querying properties in database [0066], data retrieved from back-end

database to see if notifications or exception conditions are present [0094]) and

on at least one status indicator threshold (i.e. "exceptions are conditions that

appear in the output of a job that require some ... threshold to monitor" [0052]),

and means responsive to a control on said display screen template for invoking a

function associated with said control on said display screen template upon
activation of said control (i.e. "a user can select content to be displayed in the
display window by selecting an appropriate link" [0030]).

As to claim 2, Polizzi teaches a computer-based system for presenting an
information display screen in accordance with claim 1, further comprising means
for user authentication (i.e. "the authentication server is used to determine if a
particular user should be granted access to the portal system" [0024]) for
controlling access to predetermined information sources (i.e. "connect to various
service agents in the portal system" [0040]) based on user identification
information (i.e. "checks the user's credentials and either allows or disallows the
user to connect" [0040]).

As to claim 3, Polizzi teaches a computer-based system for presenting an
information display screen in accordance with claim 1, wherein said display
screen template includes a display region (i.e. "display window" [0083]) for
presenting selected information to a user (i.e. "a corresponding object will be
displayed in the display window" [0083]) upon activation of said control (i.e. "by
clicking on one of these links" [0083]).

As to claim 4, Polizzi teaches a computer-based system for presenting an
information display screen in accordance with claim 3, further comprising means, .
responsive to activation of said control (i.e. "a user can select content to be
displayed in the display window by selecting an appropriate link" [0030]), for
generating a three-dimensional image (i.e. 1110, 1115, "Sales by Product
Analysis" chart 1045, see also "dimensions option" [0033]) based on data stored

in at least one of said plurality of information sources (i.e. "dynamically updated

portal object" [0089]) and presenting said three-dimensional image in said display

region (i.e. "displayed on user's personal dashboard" [0089]).

As to claim 5, Polizzi teaches a computer-based system for presenting an

information display screen in accordance with claim 4, wherein said mean for

generating a three-dimensional image is capable of generating a three-

dimensional image of an object (i.e. 1110, 1115, i.e. "Sales by Product Analysis"

chart 1045, see also "dimensions option" [0033]) having visual attributes thereof

show a relationship between data stored in at least one of said plurality of

information sources (i.e. "dynamically updated portal object" [0089]) and at least

a portion of said object (i.e. "sales by product": sales represented by bar on chart

[0089]).

As to claim 6, Polizzi teaches a computer-based system for presenting an

information display screen in accordance with claim 3, further comprising means

for retrieving a three-dimensional image (i.e. 1110, 1115, i.e. "Sales by Product

Analysis" chart 1045, see also "dimensions option" [0033]) from one of said

plurality of information sources (i.e. "dynamically updated portal object" [0089])

and presenting said three-dimensional image in said display region

("corresponding object ... displayed on the user's personal dashboard" [0089]).

As to claim 7, Polizzi teaches a computer-based system for presenting an

information display screen in accordance with claim 1, wherein said function is an

operation selected from the group consisting of a hyperlink (i.e. seen specifically

in [0004] and [0006]), a script (i.e. seen specifically in [0050]), a program (i.e.

seen specifically in [0004] and [0006]), and a query (i.e. seen specifically in [0050] and [0066]).

As to claim 8, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 1, wherein said at least one record of a function associated with a control on said display screen template (i.e. "portal object may contain a set of links corresponding to ... jobs" [0006], "hypertext links to navigate through the portal system" [0020]) contains a plurality of status indicator thresholds ("allows a user to configure one or more exception conditions" [0005]) associated with a single status indicator (i.e. " indicate when some element" [0005]), and wherein said means for selectively activating said status indicator (i.e. test for exceptions present when querying properties in database [0066], data retrieved from back-end database to see if notifications or exception conditions are present [0094]) differentially activates said status indicator depending on a relationship between said information located in at least one of said information sources and a corresponding one of said plurality of status indicator thresholds (i.e. test for exceptions present when querying properties in database [0066], data retrieved from back-end database to see if notifications or exception conditions are present [0094]).

As to claim 9, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 1, wherein said status indicator is capable of displaying more than two status indications (i.e. "a user may add more than one indicator to the exception dashboard" [0031]).

As to claim 10, Polizzi teaches a computer-based system for presenting a selected one of a plurality display screens ("user may request, during the same session ... a figure corresponding to the user's request", "the portal system has the ability to simultaneously perform each of these tasks and present this data to the user with a single interface" [0022]) comprising means for accessing a plurality of information sources (i.e. "variety of content retrieved from a variety of different computer systems", "one or more back end databases" [0004], [0020], "more than one information source may be configured in the portal" [0047]), means for generating a plurality of display screen templates (i.e. "presents data to a user in an object called a portal page" [0004], "the portal system has the ability to simultaneously perform each of these tasks and present this data to the user with a single interface" [0022]), each display screen template including at least one control (i.e. "portal object may contain a set of links corresponding to ... jobs" [0006], "hypertext links to navigate through the portal system" [0020]), each control having at least one function associated therewith (i.e. "clicking on that job will cause the job to be executed" [0006], "provide instructions to the portal system" [0020]), each display screen template including at least one status indicator (i.e. "reflect an up-to-the-minute status of the corresponding aspect" [0025], "dynamically updated portal page which displays the status" [0028]), means for storing a plurality of display screen function databases, each display screen function database being associated with a respective one of said plurality of display screens (i.e. "contain a set of links corresponding to ... jobs, or other objects stored within the repository" [0006], "a job is stored in the repository of

the portal system" [0025]), each display screen function database containing at

least one record of a function associated with a control on said respective one of

said plurality of display screens (i.e. "if the link is directed to a job stored within

the portal system, then clicking on that job will cause the job to be executed"

[0006], "a user can select content to be displayed in the display window by

selecting an appropriate link" [0030]), each display screen function database

containing at least one record of a status indicator threshold associated with a

status indicator control on said respective one of said plurality of display screens

(i.e. test for exceptions present when querying properties in database [0066],

data retrieved from back-end database to see if notifications or exception

conditions are present [0094]), means for selecting one of said plurality of display

screen templates for display (i.e. "if the link is directed to a job stored within the

portal system, then clicking on that job will cause the job to be executed" [0006],

"a user can select content to be displayed in the display window by selecting an

appropriate link" [0030]), means for selectively activating a status indicator on

said selected one of said plurality of display screen templates (i.e. "a user may

configure his portal page to provide a dynamically updated portal page which

displays the status of an exception condition" [0028]) based on information

located in at least one of said information sources (i.e. test for exceptions present

when querying properties in database [0066], data retrieved from back-end

database to see if notifications or exception conditions are present [0094]) and

on at least one status indicator threshold (i.e. "exceptions are conditions that

appear in the output of a job that require some ... threshold to monitor" [0052]),

and means responsive to a control on said selected one of said plurality of

display screen templates, for invoking a function associated with said control

upon activation of said control (i.e. "a user can select content to be displayed in

the display window by selecting an appropriate link" [0030]).

As to claim 11, Polizzi teaches a computer-based system for presenting a

selected one of a plurality of display screens in accordance with claim 10, further

comprising means for user authentication (i.e. "the authentication server is used

to determine if a particular user should be granted access to the portal system"

[0024]) for controlling access to predetermined information sources (i.e. "connect

to various service agents in the portal system" [0040]) based on user

identification information (i.e. "checks the user's credentials and either allows or

disallows the user to connect" [0040]).

As to claim 12, Polizzi teaches a computer-based system for presenting a

selected one of a plurality of display screens in accordance with claim 10,

wherein each said display screen template includes a display region (i.e. "display

window" [0083]) for presenting selected information to a user (i.e. "a

corresponding object will be displayed in the display window" [0083]) upon

activation of said control (i.e. "by clicking on one of these links" [0083]).

As to claim 13, Polizzi teaches a computer-based system for presenting a

selected one of a plurality of display screens in accordance with claim 12, further

comprising means, responsive to activation of said control (i.e. "a user can select

content to be displayed in the display window by selecting an appropriate link"

[0030]), for generating a three-dimensional image (i.e. 1110, 1115, "Sales by

Product Analysis" chart 1045, see also "dimensions option" [0033]) based on

data stored in at least one of said plurality of information sources (i.e.

"dynamically updated portal object" [0089]) and presenting said three-

dimensional image in said display region (i.e. "displayed on user's personal

dashboard" [0089]).

As to claim 14, Polizzi teaches a computer-based system for presenting a

selected one of a plurality of display screens in accordance with claim 13,

wherein said mean for generating a three-dimensional image (i.e. 1110, 1115,

i.e. "Sales by Product Analysis" chart 1045, see also "dimensions option" [0033])

is capable of generating a three-dimensional image of an object having visual

attributes thereof show a relationship between data stored in at least one of said

plurality of information sources (i.e. "dynamically updated portal object" [0089])

and at least a portion of said object (i.e. "sales by product": sales represented by

bar on chart [0089]).

As to claim 15, Polizzi teaches a computer-based system for presenting a

selected one of a plurality of display screens in accordance with claim 12, further

comprising means for retrieving a three-dimensional image (i.e. 1110, 1115, i.e.

"Sales by Product Analysis" chart 1045, see also "dimensions option" [0033])

from one of said plurality of information sources (i.e. "dynamically updated portal

object" [0089]) and presenting said three-dimensional image in said display

region ("corresponding object ... displayed on the user's personal dashboard"

[0089]).

As to claim 16, Polizzi teaches a computer-based system for presenting a selected one of a plurality of display screens in accordance with claim 10, wherein said function is an operation selected from the group consisting of a hyperlink (i.e. seen specifically in [0004] and [0006]), a script (i.e. seen specifically in [0050]), a program (i.e. seen specifically in [0004] and [0006]), and a query (i.e. seen specifically in [0050] and [0066]).

As to claim 17, Polizzi teaches a computer-based system for presenting a selected one of a plurality of display screens in accordance with claim 10, wherein said at least one record of a function associated with a control on said respective one of said plurality of display screen templates (i.e. "portal object may contain a set of links corresponding to ... jobs" [0006], "hypertext links to navigate through the portal system" [0020]) contains a plurality of status indicator thresholds ("allows a user to configure one or more exception conditions" [0005]) associated with a single status indicator (i.e. " indicate when some element" [0005]), and wherein said means for selectively activating a status indicator on said selected one of said plurality of display screen templates differentially activates said status indicator depending on a relationship between said information located in at least one of said information sources and a corresponding one of said plurality of status indicator thresholds (i.e. test for exceptions present when querying properties in database [0066], data retrieved from back-end database to see if notifications or exception conditions are present [0094]).

As to claim 18, Polizzi teaches a computer-based system for presenting a selected one of a plurality of display screens in accordance with claim 10, wherein said status indicator is capable of displaying more than two status indications (i.e. "a user may add more than one indicator to the exception dashboard" [0031]).

As to claim 19, Polizzi teaches a computer-based system for presenting a selected one of a plurality of display screens in accordance with claim 10, further comprising means for linking an intermediate datasource to at least one additional information source (i.e. "electronically connected to ... the repository and at least one back-end database" [0041]), and wherein at least one of said plurality of information sources (i.e. "variety of content retrieved from a variety of different computer systems", "one or more back end databases" [0004], [0020], "more than one information source may be configured in the portal" [0047]) is an intermediate datasource (i.e. "converting data from back-end databases ... are stored within the portal system in a computer memory device called a repository" [0005], "computer files, known as objects, are stored in the repository" [0038]).

As to claim 20, Polizzi teaches a computer-based system for presenting a selected one of a plurality of display screens in accordance with claim 19, further comprising means, responsive to activation of said control (i.e. "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]), for displaying information based on information obtained from at least one of said plurality of information sources (i.e. "variety of content retrieved from a variety of different computer systems", "one or more back end databases"

[0004], [0020], "more than one information source may be configured in the

portal" [0047]), in said display region (i.e. "displayed in the display window by

selecting an appropriate link" [0030]).

As to claim 21, Polizzi teaches a computer-based system for presenting a

selected one of a plurality of display screens in accordance with claim 19, further

comprising means, responsive to activation of said control (i.e. "a user can select

content to be displayed in the display window by selecting an appropriate link"

[0030]), for displaying information based on information obtained from said

intermediate datasource (i.e. "converting data from back-end databases ... are

stored within the portal system in a computer memory device called a repository"

[0005], "computer files, known as objects, are stored in the repository" [0038]), in

said display region (i.e. "displayed in the display window by selecting an

appropriate link" [0030]).

As to claim 22, Polizzi teaches a computer-based system for presenting a

selected one of a plurality of display screens in accordance with claim 21,

wherein said means for linking said intermediate datasource to at least one

additional information source (i.e. "electronically connected to ... the repository

and at least one back-end database" [0041]) obtains information from said at

least one additional information and stores said thus obtained information in said

intermediate datasource (i.e. "converting data from back-end databases ... are

stored within the portal system in a computer memory device called a repository"

[0005], "computer files, known as objects, are stored in the repository" [0038]).

As to claim 23, Polizzi teaches a computer-based system for presenting a
selected one of a plurality of display screens in accordance with claim 21,
wherein said means for linking said intermediate datasource to at least one
additional information source (i.e. "electronically connected to ... the repository
and at least one back-end database" [0041]) periodically obtains information from
said at least one additional information and stores said thus periodically obtained
information in said intermediate datasource (i.e. "converting data from back-end
databases ... are stored within the portal system in a computer memory device
called a repository" [0005], "computer files, known as objects, are stored in the
repository" [0038]).

As to claim 24, Polizzi teaches a method of business collaboration (i.e.
"enables a plurality of users to execute common jobs" [0041]) using a computer-
based system (i.e. "the computer system may also be referred to as a portal
system" [0004]) for presenting information display screens (i.e. Fig. 10, "presents
data to a user in an object called a portal page" [0004]), the method comprising
the steps of providing a computer-based system that can be accessed by a
plurality of users (i.e. "enables a plurality of users to execute common jobs"
[0041]), interfacing said computer-based system with a plurality of information
sources (i.e. "variety of content retrieved from a variety of different computer
systems", "one or more back end databases" [0004], [0020], "more than one
information source may be configured in the portal" [0047]) so that at least a
portion of said plurality of information sources are commonly accessible by at
least a portion of said plurality of users (i.e. "enables a plurality of users to

execute common jobs and to access the output reports of those jobs" [0041]),

presenting to a plurality of users an information display screen (i.e. "presents

data to a user in an object called a portal page" [0004]) including at least one

status indicator (i.e. "reflect an up-to-the-minute status of the corresponding

aspect" [0025], "dynamically updated portal page which displays the status"

[0028]) and at least one control (i.e. "portal object may contain a set of links

corresponding to ... jobs" [0006], "hypertext links to navigate through the portal

system" [0020]), each said at least one control having at least one function

associated therewith (i.e. "clicking on that job will cause the job to be executed"

[0006], "provide instructions to the portal system" [0020]), reading a display

screen function database associated with said display screen template (i.e.

"contain a set of links corresponding to ... jobs, or other objects stored within the

repository" [0006], "a job is stored in the repository of the portal system" [0025]),

said display screen function database containing at least one record of a function

associated with a control on said display screen template (i.e. "if the link is

directed to a job stored within the portal system, then clicking on that job will

cause the job to be executed" [0006], "a user can select content to be displayed

in the display window by selecting an appropriate link" [0030]), said display

screen function database containing at least one record of a status indicator

threshold (i.e. test for exceptions present when querying properties in database

[0066], data retrieved from back-end database to see if notifications or exception

conditions are present [0094]), selectively activating said status indicator (i.e. "a

user may configure his portal page to provide a dynamically updated portal page

which displays the status of an exception condition" [0028]) based on information

located in at least one of said information sources (i.e. test for exceptions present

when querying properties in database [0066], data retrieved from back-end

database to see if notifications or exception conditions are present [0094]) and

on at least one status indicator threshold (i.e. "exceptions are conditions that

appear in the output of a job that require some ... threshold to monitor" [0052]),

and responding to a control on said display screen template, for invoking a

function associated with said control on said display screen template upon

activation of said control (i.e. "a user can select content to be displayed in the

display window by selecting an appropriate link" [0030]).

As to claim 25, Polizzi teaches a computer-based system (i.e. "the

computer system may also be referred to as a portal system" [0004]) for

presenting an information display screen (i.e. Fig. 10, "presents data to a user in

an object called a portal page" [0004]), comprising a computer (i.e. "standard

computer" [0024]), an interface device adapted to connect said computer to a

plurality of information sources (i.e. "variety of content retrieved from a variety of

different computer systems", "one or more back end databases" [0004], [0020],

"more than one information source may be configured in the portal" [0047])

including an intermediate datasource (i.e. "converting data from back-end

databases ... are stored within the portal system in a computer memory device

called a repository" [0005], "computer files, known as objects, are stored in the

repository" [0038]), a data link for providing a link between an information source

and an intermediate datasource so that information in an information source can

be provided to said intermediate datasource (i.e. "electronically connected to ...

the repository and at least one back-end database" [0041]), a computer readable

medium containing computer executable code for generating a display screen

template on said computer (i.e. "presents data to a user in an object called a

portal page" [0004]), said display screen template including at least one control

(i.e. "portal object may contain a set of links corresponding to ... jobs" [0006],

"hypertext links to navigate through the portal system" [0020]), each said at least

one control having at least one function associated therewith (i.e. "clicking on that

job will cause the job to be executed" [0006], "provide instructions to the portal

system" [0020]), said display screen template including at least one status

indicator (i.e. "reflect an up-to-the-minute status of the corresponding aspect"

[0025], "dynamically updated portal page which displays the status" [0028]), a

computer storage device for storing a display screen function database

associated with said display screen template (i.e. "contain a set of links

corresponding to ... jobs, or other objects stored within the repository" [0006], "a

job is stored in the repository of the portal system" [0025]), said display screen

function database containing at least one record of a function associated with a

control on said display screen template (i.e. "if the link is directed to a job stored

within the portal system, then clicking on that job will cause the job to be

executed" [0006], "a user can select content to be displayed in the display

window by selecting an appropriate link" [0030]), said display screen function

database containing at least one record of a status indicator threshold (i.e. test

for exceptions present when querying properties in database [0066], data

retrieved from back-end database to see if notifications or exception conditions

are present [0094]), and wherein said computer readable media containing

computer executable code additionally includes computer executable code for

selectively activating said status indicator (i.e. "a user may configure his portal

page to provide a dynamically updated portal page which displays the status of

an exception condition" [0028]) based on information located in at least one of

said information sources (i.e. test for exceptions present when querying

properties in database [0066], data retrieved from back-end database to see if

notifications or exception conditions are present [0094]) and on at least one

status indicator threshold (i.e. "exceptions are conditions that appear in the

output of a job that require some ... threshold to monitor" [0052]), and

responding to activation of a control on said display screen template, for invoking

a function associated with said control on said display screen template upon

activation of said control (i.e. "a user can select content to be displayed in the

display window by selecting an appropriate link" [0030]).

As to claim 26, Polizzi teaches a computer-based system for presenting

an information display screen in accordance with claim 25, wherein said

computer readable media containing computer executable code additionally

includes computer executable code for responding to activation of said control

(i.e. "a user can select content to be displayed in the display window by selecting

an appropriate link" [0030]) by generating a three-dimensional image (i.e. 1110,

1115, "Sales by Product Analysis" chart 1045, see also "dimensions option"

[0033]) based on data stored in at least one of said plurality of information

sources (i.e. "dynamically updated portal object" [0089]) and presenting said

three-dimensional image in said display region (i.e. "displayed on user's personal

dashboard" [0089]).

As to claim 27, Polizzi teaches a computer-based system for presenting

an information display screen in accordance with claim 26, wherein said at least

one record of a function associated with a control on said display screen

template (i.e. "if the link is directed to a job stored within the portal system, then

clicking on that job will cause the job to be executed" [0006], "a user can select

content to be displayed in the display window by selecting an appropriate link"

[0030]) contains a plurality of status indicator thresholds ("allows a user to

configure one or more exception conditions" [0005]) associated with a single

status indicator (i.e. "a user may configure his portal page to provide a

dynamically updated portal page which displays the status of an exception

condition" [0028]), and wherein said computer readable media containing

computer executable code additionally includes computer executable code for

selectively activating said status indicator differentially (i.e. test for exceptions

present when querying properties in database [0066], data retrieved from back-

end database to see if notifications or exception conditions are present [0094])

depending on a relationship between said information located in at least one of

said plurality of information sources (i.e. "variety of content retrieved from a

variety of different computer systems", "one or more back end databases" [0004],

[0020], "more than one information source may be configured in the portal"

[0047]) or said intermediate datasource (i.e. "converting data from back-end

databases ... are stored within the portal system in a computer memory device

called a repository" [0005], "computer files, known as objects, are stored in the

repository" [0038]) and a corresponding one of said plurality of status indicator

thresholds ("allows a user to configure one or more exception conditions" [0005]).

As to claim 28, Polizzi teaches a computer-based system (i.e. "the

computer system may also be referred to as a portal system" [0004]) for

presenting an information display screen (i.e. Fig. 10, "presents data to a user in

an object called a portal page" [0004]), comprising means for accessing a

plurality of information sources (i.e. "variety of content retrieved from a variety of

different computer systems", "one or more back end databases" [0004], [0020],

"more than one information source may be configured in the portal" [0047]), at

least one of said information sources being an intermediate datasource (i.e.

"converting data from back-end databases ... are stored within the portal system

in a computer memory device called a repository" [0005], "computer files, known

as objects, are stored in the repository" [0038]), means for linking said

intermediate datasource to at least one additional information source (i.e.

"electronically connected to ... the repository and at least one back-end

database" [0041]), means for generating a display screen template (i.e. Fig. 10,

"presents data to a user in an object called a portal page" [0004]), said display

screen template including at least one control (i.e. "portal object may contain a

set of links corresponding to ... jobs" [0006], "hypertext links to navigate through

the portal system" [0020]), each said at least one control having at least one

function associated therewith (i.e. "clicking on that job will cause the job to be

executed" [0006], "provide instructions to the portal system" [0020]), said display

screen template including at least one status indicator (i.e. "reflect an up-to-the-

minute status of the corresponding aspect" [0025], "dynamically updated portal

page which displays the status" [0028]), means for storing a display screen

function database associated with said display screen template (i.e. "contain a

set of links corresponding to ... jobs, or other objects stored within the repository"

[0006], "a job is stored in the repository of the portal system" [0025]), said display

screen function database containing at least one record of a function associated

with a control on said display screen template (i.e. "if the link is directed to a job

stored within the portal system, then clicking on that job will cause the job to be

executed" [0006], "a user can select content to be displayed in the display

window by selecting an appropriate link" [0030]), said display screen function

database containing at least one record of a status indicator threshold (i.e. test

for exceptions present when querying properties in database [0066], data

retrieved from back-end database to see if notifications or exception conditions

are present [0094]), means for selectively activating said status indicator (i.e. "a

user may configure his portal page to provide a dynamically updated portal page

which displays the status of an exception condition" [0028]) based on information

located in at least one of said information sources (i.e. test for exceptions present

when querying properties in database [0066], data retrieved from back-end

database to see if notifications or exception conditions are present [0094]) and

on at least one status indicator threshold (i.e. "exceptions are conditions that

appear in the output of a job that require some ... threshold to monitor" [0052]),

and means responsive to a control on said display screen template, for invoking

a function associated with said control on said display screen template upon

activation of said control (i.e. "a user can select content to be displayed in the

display window by selecting an appropriate link" [0030]).

As to claim 29, Polizzi teaches a computer-based system for presenting

an information display screen in accordance with claim 28, further comprising

means for user authentication (i.e. "the authentication server is used to determine

if a particular user should be granted access to the portal system" [0024]) for

controlling access to predetermined information sources (i.e. "connect to various

service agents in the portal system" [0040]) based on user identification

information (i.e. "checks the user's credentials and either allows or disallows the

user to connect" [0040]).

As to claim 30, Polizzi teaches a computer-based system for presenting

an information display screen in accordance with claim 28, wherein said display

screen template includes a display region (i.e. "display window" [0083]) for

presenting selected information to a user (i.e. "a corresponding object will be

displayed in the display window" [0083]) upon activation of said control (i.e. "by

clicking on one of these links" [0083]).

As to claim 31, Polizzi teaches a computer-based system for presenting

an information display screen in accordance with claim 30, further comprising

means, responsive to activation of said control (i.e. "a user can select content to

be displayed in the display window by selecting an appropriate link" [0030]), for

generating a three-dimensional image (i.e. 1110, 1115, "Sales by Product

Analysis" chart 1045, see also "dimensions option" [0033]) based on data stored

in at least one of said plurality of information sources (i.e. "dynamically updated

portal object" [0089]) and presenting said three-dimensional image in said display

region (i.e. "displayed on user's personal dashboard" [0089]).

As to claim 32, Polizzi teaches a computer-based system for presenting

an information display screen in accordance with claim 31, wherein said mean for

generating a three-dimensional image (i.e. 1110, 1115, i.e. "Sales by Product

Analysis" chart 1045, see also "dimensions option" [0033]) is capable of

generating a three-dimensional image of an object having visual attributes

thereof show a relationship between data stored in at least one of said plurality of

information sources (i.e. "dynamically updated portal object" [0089]) and at least

a portion of said object (i.e. "sales by product": sales represented by bar on chart

[0089]).

As to claim 33, Polizzi teaches a computer-based system for presenting

an information display screen in accordance with claim 30, further comprising

means for retrieving a three-dimensional image (i.e. 1110, 1115, "Sales by

Product Analysis" chart 1045, see also "dimensions option" [0033]) from one of

said plurality of information sources (i.e. "dynamically updated portal object"

[0089]) and presenting said three-dimensional image in said display region

("corresponding object ... displayed on the user's personal dashboard" [0089]).

As to claim 34, Polizzi teaches a computer-based system for presenting

an information display screen in accordance with claim 28, wherein said function

is an operation selected from the group consisting of a hyperlink (i.e. seen

specifically in [0004] and [0006]), a script (i.e. seen specifically in [0050]), a

program (i.e. seen specifically in [0004] and [0006]), and a query (i.e seen

specifically in [0050] and [0066]).

As to claim 35, Polizzi teaches a computer-based system for presenting

an information display screen in accordance with claim 28, wherein said at least

one record of a function associated with a control on said display screen

template (i.e. "portal object may contain a set of links corresponding to ... jobs"

[0006], "hypertext links to navigate through the portal system" [0020]) contains a

plurality of status indicator thresholds ("allows a user to configure one or more

exception conditions" [0005]) associated with a single status indicator (i.e. "

indicate when some element" [0005]), and wherein said means for selectively

activating said status indicator differentially activates said status indicator

depending on a relationship between said information located in at least one of

said information sources and a corresponding one of said plurality of status

indicator thresholds (i.e. test for exceptions present when querying properties in

database [0066], data retrieved from back-end database to see if notifications or

exception conditions are present [0094]).

As to claim 36, Polizzi teaches a computer-based system for presenting

an information display screen in accordance with claim 27, wherein said status

indicator is capable of displaying more than two status indications (i.e. "a user

may add more than one indicator to the exception dashboard" [0031]).

As to claim 37, Polizzi teaches a computer-based system for presenting

an information display screen in accordance with claim 27, further comprising

means, responsive to activation of said control (i.e. "a user can select content to

be displayed in the display window by selecting an appropriate link" [0030]), for

displaying information based on information obtained from at least one of said

plurality of information sources (i.e. "variety of content retrieved from a variety of

different computer systems", "one or more back end databases" [0004], [0020],

"more than one information source may be configured in the portal" [0047]), in

said display region (i.e. "displayed in the display window by selecting an

appropriate link" [0030]).

As to claim 38, Polizzi teaches a computer-based system for presenting

an information display screen in accordance with claim 27, further comprising

means, responsive to activation of said control (i.e. "a user can select content to

be displayed in the display window by selecting an appropriate link" [0030]), for

displaying information (i.e. "displayed in the display window" [0030]) based on

information obtained from said intermediate datasource (i.e. "converting data

from back-end databases ... are stored within the portal system in a computer

memory device called a repository" [0005], "computer files, known as objects, are

stored in the repository" [0038]), in said display region (i.e. "displayed in the

display window by selecting an appropriate link" [0030]).

As to claim 39, Polizzi teaches a computer-based system for presenting

an information display screen in accordance with claim 38, wherein said means

for linking said intermediate datasource to at least one additional information

source (i.e. "electronically connected to ... the repository and at least one back-

end database" [0041]) obtains information from said at least one additional

information and stores said thus obtained information in said intermediate

datasource (i.e. "converting data from back-end databases ... are stored within

the portal system in a computer memory device called a repository" [0005],

"computer files, known as objects, are stored in the repository" [0038]).

As to claim 40, Polizzi teaches a computer-based system for presenting

an information display screen in accordance with claim 38, wherein said means

for linking said intermediate datasource to at least one additional information

source (i.e. "electronically connected to ... the repository and at least one back-

end database" [0041]) periodically obtains information from said at least one

additional information and stores said thus periodically obtained information in

said intermediate datasource (i.e. "converting data from back-end databases ...

are stored within the portal system in a computer memory device called a

repository" [0005], "computer files, known as objects, are stored in the repository"

[0038]).

As to claim 41, Polizzi teaches a computer-based system (i.e. "the

computer system may also be referred to as a portal system" [0004]) for

presenting an information display screen (i.e. Fig. 10, "presents data to a user in

an object called a portal page" [0004]), comprising a computer (i.e. "standard

computer" [0024]), an interface device (i.e. "interface between the various back

end databases and a user" [0022]) adapted to connect said computer to a

plurality of information sources (i.e. "variety of content retrieved from a variety of

different computer systems", "one or more back end databases" [0004], [0020],

"more than one information source may be configured in the portal" [0047]), a

computer readable medium containing computer executable code (i.e. "memory

... encoded with instructions" Claim 1) for generating a display screen template

(i.e. "presents data to a user in an object called a portal page" [0004]), said

display screen template including at least one control (i.e. "portal object may

contain a set of links corresponding to ... jobs" [0006], "hypertext links to navigate

through the portal system" [0020]), each said at least one control having at least

one function associated therewith (i.e. "clicking on that job will cause the job to

be executed" [0006], "provide instructions to the portal system" [0020]), said

display screen template including at least one status indicator (i.e. "reflect an up-

to-the-minute status of the corresponding aspect" [0025], "dynamically updated

portal page which displays the status" [0028]), said display screen template

further including a display region for presenting selected information to a user

upon activation of said control (i.e. "a user can select content to be displayed in

the display window by selecting an appropriate link" [0030]), a computer storage

device for storing a display screen function database associated with said display

screen template (i.e. "contain a set of links corresponding to ... jobs, or other

objects stored within the repository" [0006], "a job is stored in the repository of

the portal system" [0025]), said display screen function database containing at

least one record of a function associated with a control on said display screen

template (i.e. "if the link is directed to a job stored within the portal system, then

clicking on that job will cause the job to be executed" [0006], "a user can select

content to be displayed in the display window by selecting an appropriate link"

[0030]), said display screen function database containing at least one record of a

status indicator threshold (i.e. test for exceptions present when querying

properties in database [0066], data retrieved from back-end database to see if

notifications or exception conditions are present [0094]), and wherein said

computer readable media containing computer executable code additionally

includes computer executable code for selectively activating said status indicator

(i.e. "a user may configure his portal page to provide a dynamically updated

portal page which displays the status of an exception condition" [0028]) based on

information located in at least one of said information sources (i.e. test for

exceptions present when querying properties in database [0066], data retrieved

from back-end database to see if notifications or exception conditions are present

[0094]) and on at least one status indicator threshold (i.e. "exceptions are

conditions that appear in the output of a job that require some ... threshold to

monitor" [0052]), and responding to activation of a control on said display screen

template (i.e. "a user can select content to be displayed in the display window by

selecting an appropriate link" [0030]), for generating a multi-axis (i.e. X and Y

axis in 1045) scorecard display based on data stored in at least one of said

plurality of information sources (i.e. "a user may request that the portal system

produce a graph" [0022]) and presenting said scorecard display in said display

region (i.e. "presented to the user through his browser program" [0022]) upon

activation of said control (i.e. "upon receiving the request" through clicking a link

[0022]).

As to claim 42, Polizzi teaches a computer-based system for presenting

an information display screen in accordance with claim 41, further comprising a

data link for providing a link between an information source and an intermediate

datasource (i.e. "converting data from back-end databases ... are stored within

the portal system in a computer memory device called a repository" [0005],

"computer files, known as objects, are stored in the repository" [0038]) so that

information in an information source can be provided to said intermediate

datasource (i.e. "converting data from back-end databases ... are stored within

the portal system in a computer memory device called a repository" [0005],

"computer files, known as objects, are stored in the repository" [0038]), and

wherein said interface device is adapted to connect said computer to a plurality

of information sources (i.e. "variety of content retrieved from a variety of different

computer systems", "one or more back end databases" [0004], [0020], "more

than one information source may be configured in the portal" [0047]) including an

intermediate datasource (i.e. "converting data from back-end databases ... are

stored within the portal system in a computer memory device called a repository"

[0005], "computer files, known as objects, are stored in the repository" [0038]).

As to claim 43, Polizzi teaches a computer-based system for presenting

an information display screen in accordance with claim 42, wherein said

computer executable code for generating a multi-axis scorecard display (i.e. X

and Y axis in 1045) is adapted to generate a multi-axis scorecard display (i.e. X

and Y axis in 1045) based on data stored in at least one of said plurality of

information sources (i.e. "a user may request that the portal system produce a

graph" [0022]) and on data stored in said intermediate datasource (i.e.

"converting data from back-end databases ... are stored within the portal system

in a computer memory device called a repository" [0005], "computer files, known

as objects, are stored in the repository" [0038]).

As to claim 44, Polizzi teaches a computer-based system for presenting

an information display screen in accordance with claim 41, wherein said

computer executable code for generating a multi-axis (i.e. X and Y axis in 1045)

scorecard display is adapted to generate a multi-axis (i.e. X and Y axis in 1045)

scorecard display based on data stored in at least two of said plurality of

information sources (i.e. "variety of content retrieved from a variety of different

computer systems", "one or more back end databases" [0004], [0020], "more

than one information source may be configured in the portal" [0047]).

As to claim 45, Polizzi teaches in a computer-based system (i.e. "the

computer system may also be referred to as a portal system" [0004]) for

presenting a plurality of display screens (i.e. Fig. 10, "presents data to a user in

an object called a portal page" [0004]), each display screen including at least one

control (i.e. "portal object may contain a set of links corresponding to ... jobs"

[0006], "hypertext links to navigate through the portal system" [0020]), each

control having at least one function associated therewith (i.e. "clicking on that job

will cause the job to be executed" [0006], "provide instructions to the portal

system" [0020]), a method for generating a custom display screen (i.e. "add or

remove portal objects from his portal page at his discretion" [0007]) comprising

the steps of providing a plurality of display screen function databases (i.e.

"variety of content retrieved from a variety of different computer systems", "one or

more back end databases" [0004], [0020], "more than one information source

may be configured in the portal" [0047]), each display screen function database

being associated with a respective one of a plurality of display screens (i.e.

"contain a set of links corresponding to ... jobs, or other objects stored within the

repository" [0006], "a job is stored in the repository of the portal system" [0025]),

each display screen function database containing at least one record of a

function associated with a control for said respective one of said plurality of

display screens (i.e. "if the link is directed to a job stored within the portal system,

then clicking on that job will cause the job to be executed" [0006], "a user can

select content to be displayed in the display window by selecting an appropriate

link" [0030]), providing a custom display screen template (i.e. "each user's portal

page may be customized to suit that user's specific needs" [0007]) having at

least one undefined control (i.e. "additional components" [0081]), selecting an

undefined control on said custom display screen template (i.e. "modify this portal

object" [0085]), receiving a first user request for specific functionality on a custom

display (i.e. "Edit button will cause interactive form to be displayed" [0085]),

identifying a first data source which relates to the first user request for specific

functionality (i.e. "within the repository" [0085]), exporting data from said first data

source into an intermediate data source (i.e. "links to other objects within the

repository" [0085]), prototyping a function which relates to the first user request

for specific functionality (i.e. "modify this portal object to include the content that

he desires" [0085]) and said intermediate data source (i.e. "within the repository"

[0085]), associating said selected undefined control (i.e. "edit the bookmarks

residing in this portal object" [0085]) with said prototype function (i.e. "modify this

portal object" [0085]), updating a display screen function database associated with said custom display screen template with a record corresponding to said prototyped function (i.e. "links to other objects within the repository" [0085]), receiving user feedback on said prototype function, modifying said prototype function to change a data relationship thereof from said intermediate data source to said first data source and updating said custom display screen function database associated with said custom display screen template with a record corresponding to said modified prototyped function, and saving said display screen function database associated with said custom display screen template for production use (i.e. "cause an interactive form to be displayed in the display window, thus allowing the user to edit the content of the portal object" [0085]).

As to claim 46, Polizzi teaches a method for generating a custom display screen in accordance with claim 45, further comprising the steps of: selecting a record of a function associated with a control for said respective one of said plurality of display screens from one of said plurality of display screen function databases (i.e. "portal object may contain a set of links corresponding to ... jobs" [0006], "hypertext links to navigate through the portal system" [0020]); selecting an undefined control on said custom display screen template; associating said selected undefined control with said selected record of a function associated with a control; and updating a display screen function database associated with said custom display screen template with a record corresponding to said selected record of a function (i.e. "modify this portal object to include the content that he desires" [0085]).

As to claim 47, Polizzi teaches a method for generating a custom display screen in accordance with claim 45, further comprising the steps of: selecting an undefined status indicator on said custom display screen template; associating said selected undefined status indicator with an information parameter and a threshold to define a new status indicator; and updating a display screen function database associated with said custom display screen template with a record corresponding to a definition of said new status indicator (i.e. "modify this portal object to include the content that he desires" [0085]).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Wain et al. (U.S. Patent Publication 2205/0015745) teaches a method and system for building customizable application interfaces.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chris Watt whose telephone number is (703) 270-1046. The examiner can normally be reached on Monday-Thursday 6:30-4:00 Eastern.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chanh Nguyen can be reached on (703) 270-0000. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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/Chris Watt/   August 17, 2006

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